



# MicroBooNE Status Report

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All Experimenters' Meeting

June 09, 2014

# Activities since May

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- ☒ Installation done
- ☒ Sign-offs for “ready to weld endcap”
- ☒ Endcap welded
- ☒ Weld inspection done

## Ongoing activities:

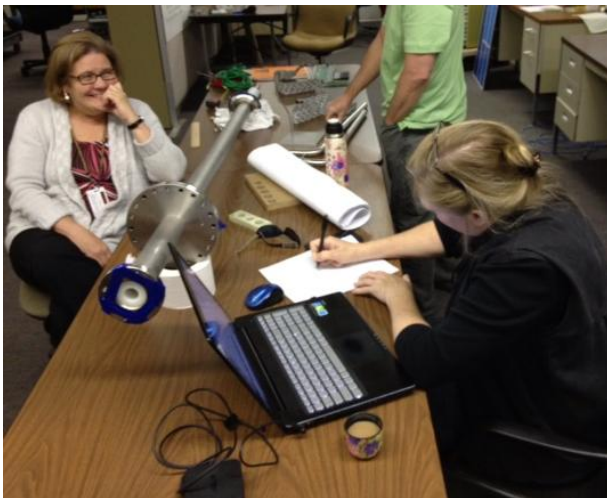
- ☐ Readout test (in progress)
- ☐ Leak check & pressure test

## Coming up:

- ☐ Move to LArTF!

# Official Sign-offs

- ❑ The sign-off of the last system done on May 16<sup>th</sup>
- ❑ Everything ready for welding
- ❑ A lot of happy faces at DAB!



## Working backward from endcap welding

- Weld endcap May 19 ✓
- Sign-offs "Ready to weld" Week of May 12 ✓
  - Field cage modifications May 13 } at latest ✓
  - HV cup May 13 ✓
  - PMT/Flasher May 13 ✓
  - Cold electronics May 16 ✓
- Install resistors & varistors May 9 (latest) ✓
- Open field cage/remove existing Slim-Mox boards ✓
  - Test existing boards (250 MΩ ± ?) ✓
  - Tubel-16 ✓
- Zebra resistor tests ✓
  - Singles (R = ??) for binning ✓
  - Warm vs. cold ✓
  - Mounting assembly under HV in LAr? ✓
- Varistor tests ✓
  - Singles ✓
  - Mounting assembly under HV in LAr? ✓
- Alignment check endcap & vessel diameter ✓
- Push cryostat out of tent Week of May 12 ✓
  - Test fit HV feedthrough ✓
- Check readout after studs are welded ✓

# Ready!



Jen Raff: uBooNE  
Collaboration meeting  
May 2014

June 09, 2014



# Moving the Endcap



# Positioning the Endcap



Jen Raff: uBooNE  
Collaboration meeting  
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# Welding



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# Ultrasound Inspection of Weld



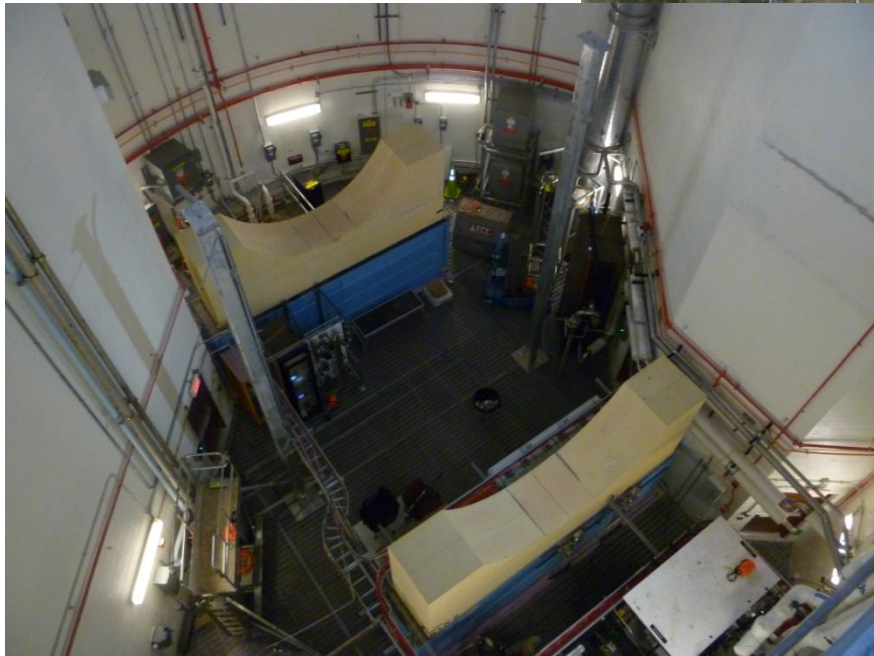
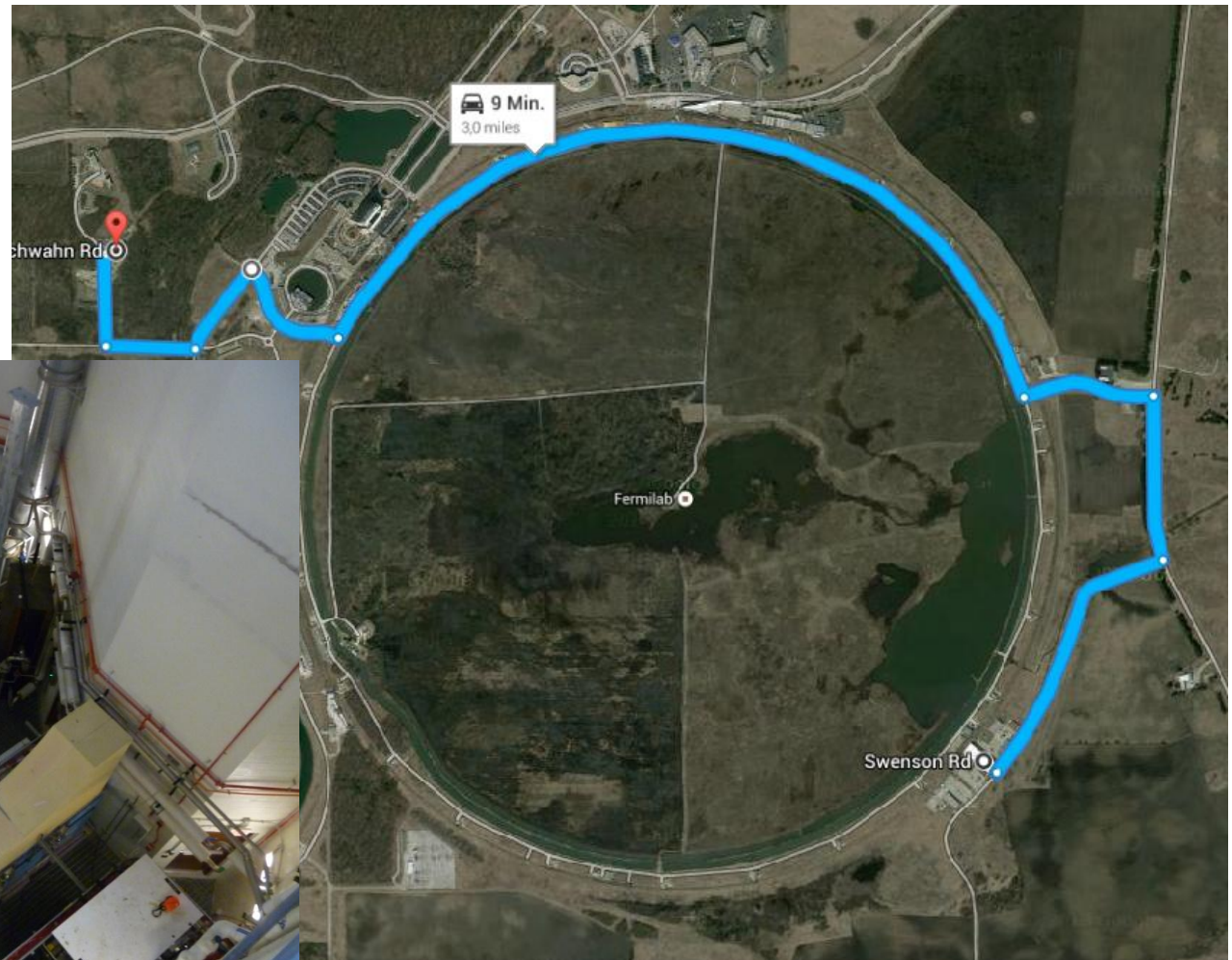
The weld is fine





# The big move

## □ Move from DAB to LArTF: June 23<sup>rd</sup>



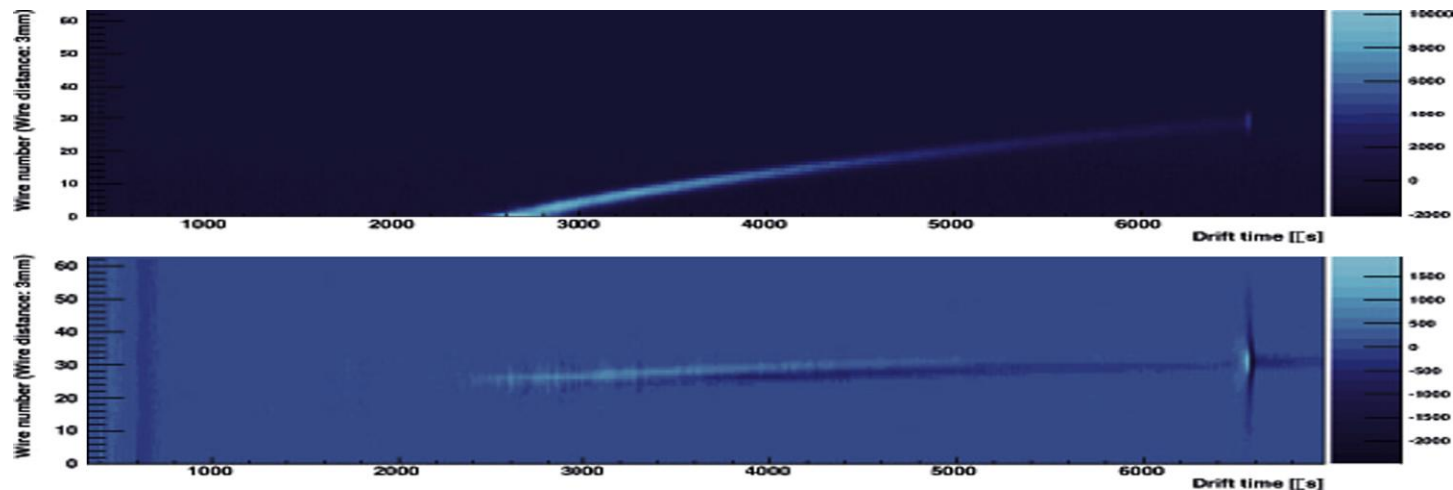
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# After the move



- ❑ Installations at LArTF (~4 months)
  - Vessel insulation
  - Cryo system installation
  - Cabling and rack installation
- ❑ Cool down and filling (~2 months)
- ❑ Turn on the detector (December 2014)





# Thank you!

